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ATTY. DOCKET NO.

078883-0139

SERIAL NO.

Unassigned

APPLICANT

Iain Alasdair DONALDSON et al.

INFORMATION DISCLOSURE CITATION

FILING DATE

12/12/2001

GROUP ART UNIT

1638 Unassigned

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
cc	A1	10062	3/12/1998	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

cc	A2	HUANG et al., "Complete Structures of Three Rice Sucrose Synthase Isogenes and Differential Regulation of Their Expression," <i>Bioscience Biotechnology and Biochemistry</i> 60(2):233-239 (1996).						
	A3	WANG et al., "A Complete Sequence of the Rice Sucrose Synthase-1 RSS1 Gene," <i>Plant Molecular Biology</i> 19(5):881-885 (1992).						
	A4	WING et al., "A BAC End Sequencing Framework to Sequence the Rice Genome," Database EMGSS3 'Online' (1998) EMBL Heidelberg, Germany (Abstract).						
	A5	"Original TA Cloning Kits, pCR2.1 vector" Invitrogen Catalogue, page 7, 1997.						

EXAMINER

Cynthia Collins

DATE CONSIDERED

12/2/04

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PTO/SB/08 (08-00)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/009,570
			Filing Date	12/12/2001
Date Submitted: January 9, 2003 (use as many sheets as necessary)			First Named Inventor	Iain Alasdair DONALDSON et al.
			Group Art Unit	Unassigned 1638
Sheet 1 of 3			Examiner Name	Unassigned C. COLLINS
			Attorney Docket Number	078883-0139

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
OC ↓	A1	3,817,837		RUBENSTEIN ET AL.	06/18/1974	
	A2	3,850,752		SCHUURS ET AL.	11/26/1974	
	A3	3,996,345		ULLMAN ET AL.	12/07/1976	
	A4	4,277,437		MAGGIO	07/07/1981	
	A5	4,275,149		LITMAN ET AL.	06/23/1981	
	A6	4,366,241		TOM ET AL.	12/28/1982	
	A7	4,816,567		CABILLY ET AL.	03/28/1989	

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
OC ↓	A8	CA	2,006,454		ROCHA-SOSA ET AL.	06/21/1990	
	A9	WO	99/50399	A2	DANISCO A/S	10/07/1999	
	A10	WO	96/29416	A1	DANISCO A/S	09/26/1996	
	A11	WO	94/24292	A2	DANISCO A/S	0/27/1994	
	A12	WO	95/10616	A2	DANISCO A/S	04/20/1995	
	A13	WO	96/01323	A1	DANISCO A/S	01/18/1996	
	A14	WO	96/29415	A1	DANISCO A/S	09/26/1996	
	A15	WO	98/54335	A1	DANISCO A/S	12/03/1998	
	A16	WO	97/03574	A1	DANISCO A/S	02/06/1997	
	A17	WO	94/25575	A1	NOVO NORDISK A/S	11/10/1994	
	A18	WO	97/31102	A1	NOVO NORDISK A/S	08/28/1997	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
OC ↓	A19	BLOOMFIELD, "Condensation of DNA by Multivalent Cations: Considerations on Mechanism", <i>Biopolymers</i> (1991), Vol. 31, pp. 1471-1481.	
	A20	DONOVAN ET AL., "The Growth of Detached Wheat Heads in Liquid Culture," <i>Plant Science Letters</i> (1977), Vol. 9, pp. 107-113.	
	A21	KIKKERT, "The Biolistic® PDS-1000/He device," <i>Plant Cell Tissue and Organ Culture</i> (1993), Vol. 33, pp. 221-226.	

Examiner Signature	<i>Cynthia Collins</i>	Date Considered	12/2/04
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: January 9, 2003

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Sheet 2 of 3

Complete if Known

Application Number	10/009,570
Filing Date	12/12/2001
First Named Inventor	Iain Alasdair DONALDSON
Group Art Unit	Unassigned 1638
Examiner Name	Unassigned C. COLLINS
Attorney Docket Number	078883-0139

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CC	A22	KNUDSEN ET AL., "Transformation of the developing barley endosperm by particle bombardment," <i>Planta</i> (1991), Vol. 185, pp. 330-336.	
	A23	SIEBERT ET AL., "An improved PCR method for walking in uncloned genomic DNA," <i>Nucleic Acids Research</i> (1995), Vol. 23, No. 6, pp. 1087-1088.	
	A24	COPELAND, "Enzymes of Sucrose Metabolism," <i>Methods in Plant Biochemistry</i> , Vol. 3 (1990), pp. 73 - 85, Academic Press Limited.	
	A25	DÖRMANN ET AL., "The role of UDP-glucose epimerase in carbohydrate metabolism of <i>Arabidopsis</i> ," <i>The Plant Journal</i> (1998), Vol. 13, No. 5, pp. 641-652.	
	A26	FINER ET AL., "Development of the particle inflow gun for DNA delivery to plant cells," <i>Plant Cell Reports</i> (1992), Vol. 11, pp. 323-328.	
	A27	JEFFERSON, "Assaying Chimeric Genes in Plants: The GUS Gene Fusion System," <i>Plant Molecular Biology Reporter</i> (1987), Vol. 5, No. 4, pp. 387-405.	
	A28	KARRER ET AL., "Metabolic regulation of rice α -amylase and sucrose synthase genes in planta," <i>The Plant Journal</i> (1992), Vol. 2, No. 4, pp. 517-523.	
	A29	KLEIN ET AL., "High-velocity microprojectiles for delivering nucleic acids into living cells," <i>Nature</i> (1987), Vol. 327, pp. 70 - 73.	
	A30	KLEIN ET AL., "Transfer of foreign genes into intact maize cells with high-velocity microprojectiles," <i>Proc. Natl. Acad. Sci. USA</i> (1988), Vol. 85, pp. 4305-4309.	
	A31	LOPES ET AL., "Endosperm Origin, Development, and Function," <i>The Plant Cell</i> (1993), Vol. 5, pp. 1383-1399.	
	A32	SANFORD ET AL., "Delivery of Substances into Cells and Tissues Using a Particle Bombardment Process," <i>Particulate Science and Technology</i> (1987), Vol. 5, No. 1, pp. 27-37.	
	A33	THOMAS, "Gene Expression during Plant Embryogenesis and Germination: An Overview," <i>The Plant Cell</i> (1993), Vol. 5, pp. 1401-1410.	
	A34	VAIN ET AL., "Development of the Particle Inflow Gun," <i>Plant Cell, Tissue and Organ Culture</i> (1993), Vol. 33, pp. 237-246.	
	A35	WEST ET AL., "Embryogenesis in Higher Plants: An Overview," <i>The Plant Cell</i> (1993), Vol. 5, pp. 1361-1369.	

Examiner
Signature

Cynthia Collins

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Number of Sheets: 3 of 3	RECEIVED JAN 10 2003 TESS CENTER 1600/2901		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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CC ↓	A36	WHISTLER ET AL., <i>Guar: Agronomy, Production, Industrial Use, and Nutrition</i> (1979), Purdue University Press, West Lafayette, Indiana.	
	A37	BAUMLEIN ET AL., "Cis-analysis of a seed protein gene promoter: the conservative RY repeat CATGCATG within the legumin box is essential for tissue-specific expression of a legumin gene," <i>The Plant Journal</i> (1992), Vol. 2, No. 2, pp. 233-239.	
	A38	JOSHI, "An inspection of the domain between putative TATA box and translation start site in 79 plant genes," <i>Nucleic Acids Research</i> (1987), Vol. 15, No. 16, pp. 6643-6653.	
	A39	MARZABAL ET AL., "The bifactorial endosperm box of γ-zein gene: characterisation and function of the Pb3 and GZM cis-acting elements," <i>The Plant Journal</i> (1998), Vol. 16, No. 1, pp. 41-52.	
	A40	MULLER ET AL., "The nitrogen response of a barley C-hordein promoter is controlled by positive and negative regulation of the GCN4 and endosperm box," <i>The Plant Journal</i> (1993), Vol. 4, No. 2, pp. 343-355.	
	A41	SIMPSON ET AL., "Splicing of precursors to mRNA in higher plants: mechanism regulation and sub-nuclear organisation of the spliceosomal machinery," <i>Plant Molecular Biology</i> (1996), Vol. 32, pp. 1 - 41.	

Examiner Signature: Cynthia Collins	Date Considered: 12/2/04
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